

INTERNATIONAL SEARCH REPORT

Int | Application No
PCT/IB2004/002959

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 C07C51/363 C07C51/347 C07C65/21 C07C67/00 C07C69/84
C07C69/92 A61K31/44 A61P11/06

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C07C A61K A61P

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, CHEM ABS Data, BEILSTEIN Data, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
P, X	WO 2004/033430 A (ALBEMARLE CORPORATION) 22 April 2004 (2004-04-22) page 1, line 6 - line 12; example 3 page 6, line 15 - line 22	46, 47, 50, 51
X	REID P: "ROFLUMILAST" CURRENT OPINION IN INVESTIGATIONAL DRUGS, CURRENT DRUGS, LONDON, GB, vol. 3, no. 8, August 2002 (2002-08), pages 1165-1170, XP001119630 ISSN: 0967-8298 the whole document	46, 47
A	US 5 712 298 A (AMSCHLER ET AL) 27 January 1998 (1998-01-27) cited in the application column 9 - column 11	1-51

☐ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *&* document member of the same patent family

Date of the actual completion of the international search

15 February 2005

Date of mailing of the international search report

23/02/2005

Name and mailing address of the ISA

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Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☒ Claims Nos.: —
because they relate to subject matter not required to be searched by this Authority, namely:
Although claim 47 is directed to a method of treatment of the human/animal body, the search has been carried out and based on the alleged effects of the compound.
2. ☐ Claims Nos.:
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this International application, as follows:

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☐ No protest accompanied the payment of additional search fees.

INTERNATIONAL SEARCH REPORT

Intern application No
PCT/IB2004/002959

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
WO 2004033430 A	22-04-2004	US 6822114 B1 WO 2004033430 A2	23-11-2004 22-04-2004
US 5712298 A	27-01-1998	AT 217612 T AU 687087 B2 AU 7490794 A CA 2165192 A1 CN 1126468 A ,C CY 2389 A CZ 9600001 A3 DE 59410119 D1 DK 706513 T3 WO 9501338 A1 EP 0706513 A1 ES 2176252 T3 FI 956333 A HK 1011690 A1 HU 73232 A2 JP 8512041 T JP 3093271 B2 NO 955211 A NZ 271316 A PL 311820 A1 PT 706513 T RU 2137754 C1 SI 706513 T1 SK 161795 A3	15-06-2002 19-02-1998 24-01-1995 12-01-1995 10-07-1996 10-09-2004 12-06-1996 20-06-2002 09-09-2002 12-01-1995 17-04-1996 01-12-2002 29-12-1995 11-10-2002 29-07-1996 17-12-1996 03-10-2000 21-12-1995 24-11-1997 18-03-1996 31-10-2002 20-09-1999 31-10-2002 03-07-1996